**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Detailed Measurements Discription of Item | | No | Length | Breadth | Depth | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications. KPWD S.R 2018-19. | | | | | | | | |
| | **CC Drains** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | 1.00 | 0.90 | 10.62 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 1.00 | 0.90 | 23.40 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | 1.00 | 0.90 | 23.40 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | 1.00 | 0.90 | 23.76 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 1.00 | 0.90 | 23.40 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | 1.00 | 0.90 | 11.25 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | 1.00 | 0.90 | 2.70 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | 1.00 | 0.90 | 9.27 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | 1.00 | 0.90 | 16.02 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | 1.00 | 0.90 | 24.39 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | 1.00 | 0.90 | 16.02 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | 1.00 | 0.90 | 20.43 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | 1.00 | 0.90 | 19.44 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | 1.00 | 0.90 | 16.20 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | 1.00 | 0.90 | 20.88 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | 1.00 | 0.90 | 8.55 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | 1.00 | 0.90 | 25.11 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | 1.00 | 0.90 | 24.30 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | 1.00 | 0.90 | 11.97 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | 1.00 | 0.90 | 3.33 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| | Ch.164.6 to 175.1m | | 1 | 7.50 | 1.00 | 0.90 | 6.75 | | |
| | Ch.175.1 to 177.6m | | 1 | 9.30 | 1.00 | 0.90 | 8.37 | | |
| | Ch.177.6 to 181.5m | | 1 | 3.90 | 1.00 | 0.90 | 3.51 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | 1.00 | 0.90 | 11.70 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.2m | | 1 | 26.20 | 1.00 | 0.90 | 23.58 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Road gap | | | | | | | |
| | Ch.0.00 to 12.9m | | 1 | 12.90 | 1.00 | 0.90 | 11.61 | |
| | Ch.12.9 to 17.5m | | 1 | 4.60 | 1.00 | 0.90 | 4.14 | |
| | Ch.17.5 to 25.9m | | 1 | 7.30 | 1.00 | 0.90 | 6.57 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 26.2m | | 1 | 26.20 | 1.00 | 0.90 | 23.58 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.3m | | 1 | 13.30 | 1.00 | 0.90 | 11.97 | |
| | Ch.13.3 to 26.1m | | 1 | 12.80 | 1.00 | 0.90 | 11.52 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | 1.00 | 0.90 | 11.70 | |
| | Ch.13.0 to 28.0m | | 1 | 15.00 | 1.00 | 0.90 | 13.50 | |
| | **1st Cross Road** | | | | | | | |
| | **RHS From 2nd Main Road** | | | | | | | |
| | Ch.0.00 to 18.2m | | 1 | 18.20 | 1.00 | 0.90 | 16.38 | |
| | Ch.18.2 to 21.4m | | 1 | 3.20 | 1.00 | 0.90 | 2.88 | |
| | Ch.21.4 to 36.5m | | 1 | 15.10 | 1.00 | 0.90 | 13.59 | |
| | Ch.36.5 to 48.5m | | 1 | 12.00 | 1.00 | 0.90 | 10.80 | |
| | Ch.48.5 to 78.5m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | **LHS From 1st Main Road** | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.30.0 to 60.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.60.0 to 90.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.90.0 to 99.0m | | 1 | 8.50 | 1.00 | 0.90 | 7.65 | |
| | **2nd Cross Road** | | | | | | | |
| | **RHS From 2nd Main Road** | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.30.0 to 38.3m | | 1 | 8.30 | 1.00 | 0.90 | 7.47 | |
| | Ch.38.3 to 40.6m | | 1 | 2.30 | 1.00 | 0.90 | 2.07 | |
| | Ch.40.6 to 44.8m | | 1 | 4.20 | 1.00 | 0.90 | 3.78 | |
| | Ch.44.8 to 50.3m | | 1 | 5.50 | 1.00 | 0.90 | 4.95 | |
| | Ch.50.3 to 62.6m | | 1 | 12.30 | 1.00 | 0.90 | 11.07 | |
| | Ch.62.6 to 92.6m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.92.6 to 99.6m | | 1 | 7.00 | 1.00 | 0.90 | 6.30 | |
| | **LHS From 1st Main Road** | | | | | | | |
| | Ch.0.00 to 4.8m | | 1 | 4.80 | 1.00 | 0.90 | 4.32 | |
| | Ch.4.8 to 9.1m | | 1 | 4.30 | 1.00 | 0.90 | 3.87 | |
| | Ch.9.1 to 18.9m | | 1 | 9.80 | 1.00 | 0.90 | 8.82 | |
| | Ch.18.9 to 27.6m | | 1 | 8.70 | 1.00 | 0.90 | 7.83 | |
| | Ch.27.6 to 37.2m | | 1 | 9.60 | 1.00 | 0.90 | 8.64 | |
| | Ch.37.2 to 46.2m | | 1 | 9.00 | 1.00 | 0.90 | 8.10 | |
| | Ch.46.2 to 64.5m | | 1 | 18.30 | 1.00 | 0.90 | 16.47 | |
| | Ch.64.5 to 69.5m | | 1 | 5.00 | 1.00 | 0.90 | 4.50 | |
| | Ch.69.5 to 99.5m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | **3rd Cross Road** | | | | | | | |
| | **RHS From 2nd Main Road** | | | | | | | |
| | Ch.0.00 to 9.0m | | 1 | 9.00 | 1.00 | 0.90 | 8.10 | |
| | Ch.9.0 to 26.8m | | 1 | 17.80 | 1.00 | 0.90 | 16.02 | |
| | Ch.26.8 to 56.8m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | |
| | Ch.56.8 to 73.8m | | 1 | 17.00 | 1.00 | 0.90 | 15.30 | |
| | Ch.73.8 to 83.1m | | 1 | 9.30 | 1.00 | 0.90 | 8.37 | |
| | Ch.83.1 to 101.3m | | 1 | 18.20 | 1.00 | 0.90 | 16.38 | |
| | **LHS From 1st Main Road** | | | | | | | |
| | Ch.0.00 to 27.5m | | 1 | 27.50 | 1.00 | 0.90 | 24.75 | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Ch.27.5 to 36.5m | | 1 | 9.00 | 1.00 | 0.90 | 8.10 | | |
| Ch.36.5 to 66.5m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.66.5 to 75.9m | | 1 | 9.00 | 1.00 | 0.90 | 8.10 | | |
| Ch.75.9 to m | | 1 | 17.40 | 1.00 | 0.90 | 15.66 | | |
| Ch.37.2 to 46.2m | | 1 | 9.40 | 1.00 | 0.90 | 8.46 | | |
| **4th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.8m | | 1 | 9.80 | 1.00 | 0.90 | 8.82 | | |
| Ch.9.8 to 22.6m | | 1 | 12.80 | 1.00 | 0.90 | 11.52 | | |
| Ch.22.6 to 38.3m | | 1 | 15.70 | 1.00 | 0.90 | 14.13 | | |
| Ch.38.3 to 43.7m | | 1 | 5.40 | 1.00 | 0.90 | 4.86 | | |
| Ch.43.7 to 47.7m | | 1 | 4.00 | 1.00 | 0.90 | 3.60 | | |
| Ch.47.7 to 56.2m | | 1 | 8.50 | 1.00 | 0.90 | 7.65 | | |
| Ch.56.2 to 65.8m | | 1 | 9.60 | 1.00 | 0.90 | 8.64 | | |
| Ch.65.8 to 70.1m | | 1 | 4.30 | 1.00 | 0.90 | 3.87 | | |
| Ch.70.1 to 93.3m | | 1 | 16.50 | 1.00 | 0.90 | 14.85 | | |
| Ch.93.3 to 98.3m | | 1 | 8.30 | 1.00 | 0.90 | 7.47 | | |
| Ch.98.3 to 102.6m | | 1 | 4.30 | 1.00 | 0.90 | 3.87 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to20.0m | | 1 | 20.00 | 1.00 | 0.90 | 18.00 | | |
| Ch.20.0 to 30.0m | | 1 | 10.00 | 1.00 | 0.90 | 9.00 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.90.0 to 102.8m | | 1 | 12.80 | 1.00 | 0.90 | 11.52 | | |
| **5th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 14.5m | | 1 | 14.50 | 1.00 | 0.90 | 13.05 | | |
| Ch.14.5 to 44.5m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.44.5 to 66.2m | | 1 | 21.70 | 1.00 | 0.90 | 19.53 | | |
| Ch.66.2 to 69.9m | | 1 | 3.70 | 1.00 | 0.90 | 3.33 | | |
| Ch.69.9 to 99.9m | | 1 | 20.00 | 1.00 | 0.90 | 18.00 | | |
| Ch.99.9 to 109.9m | | 1 | 10.00 | 1.00 | 0.90 | 9.00 | | |
| Ch109.9 to 103.7m | | 1 | 3.80 | 1.00 | 0.90 | 3.42 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.90.0 to 102.0m | | 1 | 12.00 | 1.00 | 0.90 | 10.80 | | |
| **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.90 | 27.00 | | |
| Ch.30.0 to 34.8m | | 1 | 4.80 | 1.00 | 0.90 | 4.32 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 10.6m | | 1 | 10.60 | 1.00 | 0.90 | 9.54 | | |
| Ch.10.6 to 25.2m | | 1 | 14.60 | 1.00 | 0.90 | 13.14 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 3.9m | | 1 | 3.90 | 1.00 | 0.90 | 3.51 | | |
| Ch.3.9 to 12.2m | | 1 | 8.30 | 1.00 | 0.90 | 7.47 | | |
| Ch.12.2 to 25.4m | | 1 | 13.20 | 1.00 | 0.90 | 11.88 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 13.0m | | 1 | 13.00 | 1.00 | 0.90 | 11.70 | | |
| Ch.13.0 to 26.3m | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Ch.0.00 to 13.1m | | 1 | 13.10 | 1.00 | 0.90 | 11.79 | | |
| Ch.13.1 to 26.4m | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 13.3m | | 1 | 13.30 | 1.00 | 0.90 | 11.97 | | |
| Ch.13.3 to 26.3m | | 1 | 13.00 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 14.0m | | 1 | 14.00 | 1.00 | 0.90 | 12.60 | | |
| Ch.14.0 to 28.4m | | 1 | 14.40 | 1.00 | 0.90 | 12.96 | | |
| Ch.28.4 to 36.4m | | 1 | 8.00 | 1.00 | 0.90 | 7.20 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.7m | | 1 | 26.70 | 1.00 | 0.90 | 24.03 | | |
| **New Kerb** | | | | | | | | |
| **1st Main Road** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 11.8m | | 1 | 11.80 | 0.20 | 0.20 | 0.47 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.0m | | 1 | 26.00 | 0.20 | 0.20 | 1.04 | | |
| Road gap | | | | | | | | |
| Ch:0.00to 26.0m | | 1 | 26.00 | 0.20 | 0.20 | 1.04 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.4m | | 1 | 26.40 | 0.20 | 0.20 | 1.06 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.0m | | 1 | 26.00 | 0.20 | 0.20 | 1.04 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 12.5m | | 1 | 12.50 | 0.20 | 0.20 | 0.50 | | |
| Ch.12.5 to 15.5m | | 1 | 3.00 | 0.20 | 0.20 | 0.12 | | |
| Ch.15.5 to 25.8m | | 1 | 10.30 | 0.20 | 0.20 | 0.41 | | |
| **RHS From End** | | | | | | | | |
| Ch.0.00 to 17.8m | | 1 | 17.80 | 0.20 | 0.20 | 0.71 | | |
| Ch.17.8 to 44.9m | | 1 | 27.10 | 0.20 | 0.20 | 1.08 | | |
| Ch.44.9 to 62.7m | | 1 | 17.80 | 0.20 | 0.20 | 0.71 | | |
| Ch.62.7 to 92.7m | | 1 | 30.00 | 0.20 | 0.20 | 1.20 | | |
| Ch.92.7 to 122.7m | | 1 | 30.00 | 0.20 | 0.20 | 1.20 | | |
| Ch.122.7 to 145.4m | | 1 | 22.70 | 0.20 | 0.20 | 0.91 | | |
| Ch.145.4 to 167.0m | | 1 | 21.60 | 0.20 | 0.20 | 0.86 | | |
| Ch.167.0 to 185.0m | | 1 | 18.00 | 0.20 | 0.20 | 0.72 | | |
| **2nd Main Road** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 0.20 | 0.20 | 1.20 | | |
| Ch.30.0 to 53.2m | | 1 | 23.20 | 0.20 | 0.20 | 0.93 | | |
| Ch.53.2 to 62.7m | | 1 | 9.50 | 0.20 | 0.20 | 0.38 | | |
| Ch.62.7 to 90.6m | | 1 | 27.90 | 0.20 | 0.20 | 1.12 | | |
| Ch.90.6 to 117.6m | | 1 | 27.00 | 0.20 | 0.20 | 1.08 | | |
| Ch.117.6 to 130.9m | | 1 | 13.30 | 0.20 | 0.20 | 0.53 | | |
| Ch.130.9 to 134.6m | | 1 | 3.70 | 0.20 | 0.20 | 0.15 | | |
| Ch.134.6 to 164.6m | | 1 | 30.00 | 0.20 | 0.20 | 1.20 | | |
| Ch.164.6 to 175.1m | | 1 | 10.50 | 0.20 | 0.20 | 0.42 | | |
| Ch.175.1 to 177.6m | | 1 | 2.50 | 0.20 | 0.20 | 0.10 | | |
| Ch.177.6 to 181.5m | | 1 | 3.90 | 0.20 | 0.20 | 0.16 | | |
| **RHS From End** | | | | | | | | |
| Ch.0.00 to 13.0m | | 1 | 13.00 | 0.20 | 0.20 | 0.52 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.2m | | 1 | 26.20 | 0.20 | 0.20 | 1.05 | | |
| Road gap | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ch.0.00 to 12.9m | | | | | | | | | |
| Ch.12.9 to 17.5m | | | 1 | 12.90 | 0.20 | 0.20 | 0.52 | | |
| Ch.17.5 to 25.9m | | | 1 | 4.60 | 0.20 | 0.20 | 0.18 | | |
| Road gap | | | 1 | 8.40 | 0.20 | 0.20 | 0.34 | | |
| Ch.0.00 to 26.2m | | | | | | | | | |
| Road gap | | | 1 | 26.20 | 0.20 | 0.20 | 1.05 | | |
| Ch.0.00 to 13.3m | | | | | | | | | |
| Ch.13.3 to 26.1m | | | 1 | 13.30 | 0.20 | 0.20 | 0.53 | | |
| Road gap | | | 1 | 12.80 | 0.20 | 0.20 | 0.51 | | |
| Ch.0.00 to 13.0m | | | | | | | | | |
| Ch.13.0 to 28.0m | | | 1 | 13.00 | 0.20 | 0.20 | 0.52 | | |
| **Sri laksmi Venkateshwara opp Road (40' Road)** | | | 1 | 15.00 | 0.20 | 0.20 | 0.60 | | |
| **LHS From Main Road** | | | | | | | | | |
| Ch.0.00 to 30.0m | | | 1 | 30.00 | 0.20 | 0.20 | 1.20 | | |
| Ch.30.0 to 34.8m | | | 1 | 4.80 | 0.20 | 0.20 | 0.19 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 10.6m | | | 1 | 10.60 | 0.20 | 0.20 | 0.42 | | |
| Ch.10.6 to 25.2m | | | 1 | 14.60 | 0.20 | 0.20 | 0.58 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 3.9m | | | 1 | 3.90 | 0.20 | 0.20 | 0.16 | | |
| Ch.3.9 to 12.2m | | | 1 | 8.30 | 0.20 | 0.20 | 0.33 | | |
| Ch.12.2 to 25.4m | | | 1 | 13.20 | 0.20 | 0.20 | 0.53 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 13.0m | | | 1 | 13.00 | 0.20 | 0.20 | 0.52 | | |
| Ch.13.0 to 26.3m | | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 13.1m | | | 1 | 13.10 | 0.20 | 0.20 | 0.52 | | |
| Ch.13.1 to 26.4m | | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 13.3m | | | 1 | 13.30 | 0.20 | 0.20 | 0.53 | | |
| Ch.13.3 to 26.3m | | | 1 | 13.00 | 0.20 | 0.20 | 0.52 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 14.0m | | | 1 | 14.00 | 0.20 | 0.20 | 0.56 | | |
| Ch.14.0 to 28.4m | | | 1 | 14.40 | 0.20 | 0.20 | 0.58 | | |
| Ch.28.4 to 36.4m | | | 1 | 8.00 | | | 0.00 | | |
| Road gap | | | | | | | | | |
| Ch.0.00 to 26.7m | | | 1 | 26.70 | 0.20 | 0.20 | 1.07 | | |
| | | | | | | **Present Qty** | **1682.58** | | |
| | | | | | | **Quantity limiting to** | **1681.94** | **211.79** | **356219.00** |

Contractor

PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

Asst. Executive Engineer

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Discription of Item | Detailed Measurements | | | | | | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | Length | Breadth | Depth | Qty | | |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications. KPWD S.R 2019-19. | | | | | | | | |
| | **CC Drains** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | 1.00 | 0.15 | 1.77 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 1.00 | 0.15 | 3.90 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | 1.00 | 0.15 | 3.90 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | 1.00 | 0.15 | 3.96 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 1.00 | 0.15 | 3.90 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | 1.00 | 0.15 | 1.88 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | 1.00 | 0.15 | 0.45 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | 1.00 | 0.15 | 1.55 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | 1.00 | 0.15 | 2.67 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | 1.00 | 0.15 | 4.07 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | 1.00 | 0.15 | 2.67 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | 1.00 | 0.15 | 3.41 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | 1.00 | 0.15 | 3.24 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | 1.00 | 0.15 | 2.70 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | 1.00 | 0.15 | 3.48 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | 1.00 | 0.15 | 1.43 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | 1.00 | 0.15 | 4.19 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | 1.00 | 0.15 | 4.05 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | 1.00 | 0.15 | 2.00 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | 1.00 | 0.15 | 0.56 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.164.6 to 175.1m | | 1 | 7.50 | 1.00 | 0.15 | 1.13 | | |
| | Ch.175.1 to 177.6m | | 1 | 9.30 | 1.00 | 0.15 | 1.40 | | |
| | Ch.177.6 to 181.5m | | 1 | 3.90 | 1.00 | 0.15 | 0.59 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Road gap | | 1 | 13.00 | 1.00 | 0.15 | 1.95 | | |
| | Ch.0.00 to 26.2m | | | | | | | | |
| | Road gap | | 1 | 26.20 | 1.00 | 0.15 | 3.93 | | |
| | Ch.0.00 to 12.9m | | | | | | | | |
| | Ch.12.9 to 17.5m | | 1 | 12.90 | 1.00 | 0.15 | 1.94 | | |
| | Ch.17.5 to 25.9m | | 1 | 4.60 | 1.00 | 0.15 | 0.69 | | |
| | Road gap | | 1 | 7.30 | 1.00 | 0.15 | 1.10 | | |
| | Ch.0.00 to 26.2m | | | | | | | | |
| | Road gap | | 1 | 26.20 | 1.00 | 0.15 | 3.93 | | |
| | Ch.0.00 to 13.3m | | | | | | | | |
| | Ch.13.3 to 26.1m | | 1 | 13.30 | 1.00 | 0.15 | 2.00 | | |
| | Road gap | | 1 | 12.80 | 1.00 | 0.15 | 1.92 | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Ch.13.0 to 28.0m | | 1 | 13.00 | 1.00 | 0.15 | 1.95 | | |
| | **1st Cross Road** | | 1 | 15.00 | 1.00 | 0.15 | 2.25 | | |
| | **RHS From 2nd Main Road** | | | | | | | | |
| | Ch.0.00 to 18.2m | | | | | | | | |
| | Ch.18.2 to 21.4m | | 1 | 18.20 | 1.00 | 0.15 | 2.73 | | |
| | Ch.21.4 to 36.5m | | 1 | 3.20 | 1.00 | 0.15 | 0.48 | | |
| | Ch.36.5 to 48.5m | | 1 | 15.10 | 1.00 | 0.15 | 2.27 | | |
| | Ch.48.5 to 78.5m | | 1 | 12.00 | 0.00 | 0.00 | 0.00 | | |
| | **LHS From 1st Main Road** | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.0.00 to 30.0m | | | | | | | | |
| | Ch.30.0 to 60.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.60.0 to 90.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.90.0 to 99.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | **2nd Cross Road** | | 1 | 8.50 | 1.00 | 0.15 | 1.28 | | |
| | **RHS From 2nd Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | | | | | | | |
| | Ch.30.0 to 38.3m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | Ch.38.3 to 40.6m | | 1 | 8.30 | 1.00 | 0.15 | 1.25 | | |
| | Ch.40.6 to 44.8m | | 1 | 2.30 | 1.00 | 0.15 | 0.35 | | |
| | Ch.44.8 to 50.3m | | 1 | 4.20 | 1.00 | 0.15 | 0.63 | | |
| | Ch.50.3 to 62.6m | | 1 | 5.50 | 1.00 | 0.15 | 0.83 | | |
| | Ch.62.6 to 92.6m | | 1 | 12.30 | 1.00 | 0.15 | 1.85 | | |
| | Ch.92.6 to 99.6m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| | **LHS From 1st Main Road** | | 1 | 7.00 | 1.00 | 0.15 | 1.05 | | |
| | Ch.0.00 to 4.8m | | | | | | | | |
| | Ch.4.8 to 9.1m | | 1 | 4.80 | 1.00 | 0.15 | 0.72 | | |
| | Ch.9.1 to 18.9m | | 1 | 4.30 | 1.00 | 0.15 | 0.65 | | |
| | Ch.18.9 to 27.6m | | 1 | 9.80 | 1.00 | 0.15 | 1.47 | | |
| | Ch.27.6 to 37.2m | | 1 | 8.70 | 1.00 | 0.15 | 1.31 | | |
| | | | 1 | 9.60 | 1.00 | 0.15 | 1.44 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Ch.37.2 to 46.2m | | | | | | | | |
| Ch.46.2 to 64.5m | | 1 | 9.00 | 1.00 | 0.15 | 1.35 | | |
| Ch.64.5 to 69.5m | | 1 | 18.30 | 1.00 | 0.15 | 2.75 | | |
| Ch.69.5 to 99.5m | | 1 | 5.00 | 1.00 | 0.15 | 0.75 | | |
| **3rd Cross Road** | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.0m | | | | | | | | |
| Ch.9.0 to 26.8m | | 1 | 9.00 | 1.00 | 0.15 | 1.35 | | |
| Ch.26.8 to 56.8m | | 1 | 17.80 | 1.00 | 0.15 | 2.67 | | |
| Ch.56.8 to 73.8m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| Ch.73.8 to 83.1m | | 1 | 17.00 | 1.00 | 0.15 | 2.55 | | |
| Ch.83.1 to 101.3m | | 1 | 9.30 | 1.00 | 0.15 | 1.40 | | |
| **LHS From 1st Main Road** | | 1 | 18.20 | 1.00 | 0.15 | 2.73 | | |
| Ch.0.00 to 27.5m | | | | | | | | |
| Ch.27.5 to 36.5m | | 1 | 27.50 | 1.00 | 0.15 | 4.13 | | |
| Ch.36.5 to 66.5m | | 1 | 9.00 | 1.00 | 0.15 | 1.35 | | |
| Ch.66.5 to 75.9m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| Ch.75.9 to m | | 1 | 9.00 | 1.00 | 0.15 | 1.35 | | |
| Ch.37.2 to 46.2m | | 1 | 17.40 | 1.00 | 0.15 | 2.61 | | |
| **4th Cross Road** | | 1 | 9.40 | 1.00 | 0.15 | 1.41 | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.8m | | 1 | 9.80 | 1.00 | 0.15 | 1.47 | | |
| Ch.9.8 to 22.6m | | 1 | 12.80 | 1.00 | 0.15 | 1.92 | | |
| Ch.22.6 to 38.3m | | 1 | 15.70 | 1.00 | 0.15 | 2.36 | | |
| Ch.38.3 to 43.7m | | 1 | 5.40 | 1.00 | 0.15 | 0.81 | | |
| Ch.43.7 to 47.7m | | 1 | 4.00 | 1.00 | 0.15 | 0.60 | | |
| Ch.47.7 to 56.2m | | 1 | 8.50 | 1.00 | 0.15 | 1.28 | | |
| Ch.56.2 to 65.8m | | 1 | 9.60 | 1.00 | 0.15 | 1.44 | | |
| Ch.65.8 to 70.1m | | 1 | 4.30 | 1.00 | 0.15 | 0.65 | | |
| Ch.70.1 to 93.3m | | 1 | 16.50 | 1.00 | 0.15 | 2.48 | | |
| Ch.93.3 to 98.3m | | 1 | 8.30 | 1.00 | 0.15 | 1.25 | | |
| Ch.98.3 to 102.6m | | 1 | 4.30 | 1.00 | 0.15 | 0.65 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to20.0m | | 1 | 20.00 | 1.00 | 0.15 | 3.00 | | |
| Ch.20.0 to 30.0m | | 1 | 10.00 | 1.00 | 0.15 | 1.50 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| Ch.90.0 to 102.8m | | 1 | 12.80 | 1.00 | 0.15 | 1.92 | | |
| **5th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 14.5m | | 1 | 14.50 | 1.00 | 0.15 | 2.18 | | |
| Ch.14.5 to 44.5m | | 1 | 30.00 | 1.00 | 0.15 | 4.50 | | |
| Ch.44.5 to 66.2m | | 1 | 21.70 | 1.00 | 0.15 | 3.26 | | |
| Ch.66.2 to 69.9m | | 1 | 3.70 | 1.00 | 0.15 | 0.56 | | |
| Ch.69.9 to 99.9m | | 1 | 20.00 | 1.00 | 0.15 | 3.00 | | |
| Ch.99.9 to 109.9m | | 1 | 10.00 | 1.00 | 0.15 | 1.50 | | |
| Ch109.9 to 103.7m | | 1 | 3.80 | 1.00 | 0.15 | 0.57 | | |

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|---|---|---|---|---|---|---|---|---|---|
| | Ch.15.5 to 25.8m | | | | | | | | |
| | **RHS From End** | | 1 | 10.30 | 0.20 | 0.10 | 0.21 | | |
| | Ch.0.00 to 17.8m | | | | | | | | |
| | Ch.17.8 to 44.9m | | 1 | 17.80 | 0.20 | 0.10 | 0.36 | | |
| | Ch.44.9 to 62.7m | | 1 | 27.10 | 0.20 | 0.10 | 0.54 | | |
| | Ch.62.7 to 92.7m | | 1 | 17.80 | 0.20 | 0.10 | 0.36 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | 0.20 | 0.10 | 0.60 | | |
| | Ch.122.7 to 145.4m | | 1 | 30.00 | 0.20 | 0.10 | 0.60 | | |
| | Ch.145.4 to 167.0m | | 1 | 22.70 | 0.20 | 0.10 | 0.45 | | |
| | Ch.167.0 to 185.0m | | 1 | 21.60 | 0.20 | 0.10 | 0.43 | | |
| | **2nd Main Road** | | 1 | 18.00 | 0.20 | 0.10 | 0.36 | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.20 | 0.10 | 0.60 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | 0.20 | 0.10 | 0.46 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | 0.20 | 0.10 | 0.19 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | 0.20 | 0.10 | 0.56 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | 0.20 | 0.10 | 0.54 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | 0.20 | 0.10 | 0.27 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | 0.20 | 0.10 | 0.07 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | 0.20 | 0.10 | 0.60 | | |
| | Ch.164.6 to 175.1m | | 1 | 10.50 | 0.20 | 0.10 | 0.21 | | |
| | Ch.175.1 to 177.6m | | 1 | 2.50 | 0.20 | 0.10 | 0.05 | | |
| | Ch.177.6 to 181.5m | | 1 | 3.90 | 0.20 | 0.10 | 0.08 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | 0.20 | 0.10 | 0.26 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.2m | | 1 | 26.20 | 0.20 | 0.10 | 0.52 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.9m | | 1 | 12.90 | 0.20 | 0.10 | 0.26 | | |
| | Ch.12.9 to 17.5m | | 1 | 4.60 | 0.20 | 0.10 | 0.09 | | |
| | Ch.17.5 to 25.9m | | 1 | 8.40 | 0.20 | 0.10 | 0.17 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.2m | | 1 | 26.20 | 0.20 | 0.10 | 0.52 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 13.3m | | 1 | 13.30 | 0.20 | 0.10 | 0.27 | | |
| | Ch.13.3 to 26.1m | | 1 | 12.80 | 0.20 | 0.10 | 0.26 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | 0.20 | 0.10 | 0.26 | | |
| | Ch.13.0 to 28.0m | | 1 | 15.00 | 0.20 | 0.10 | 0.30 | | |
| | **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.20 | 0.10 | 0.60 | | |
| | Ch.30.0 to 34.8m | | 1 | 4.80 | 0.20 | 0.10 | 0.10 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 10.6m | | 1 | 10.60 | 0.20 | 0.10 | 0.21 | | |
| | Ch.10.6 to 25.2m | | 1 | 14.60 | 0.20 | 0.10 | 0.29 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Road gap | | | | | | | | |
| | Ch.0.00 to 3.9m | | | | | | | | |
| | Ch.3.9 to 12.2m | | 1 | 3.90 | 0.20 | 0.10 | 0.08 | | |
| | Ch.12.2 to 25.4m | | 1 | 8.30 | 0.20 | 0.10 | 0.17 | | |
| | Road gap | | 1 | 13.20 | 0.20 | 0.10 | 0.26 | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Ch.13.0 to 26.3m | | 1 | 13.00 | 1.00 | 0.10 | 1.30 | | |
| | Road gap | | 1 | 13.30 | 1.00 | 0.10 | 1.33 | | |
| | Ch.0.00 to 13.1m | | | | | | | | |
| | Ch.13.1 to 26.4m | | 1 | 13.10 | 0.20 | 0.10 | 0.26 | | |
| | Road gap | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| | Ch.0.00 to 13.3m | | | | | | | | |
| | Ch.13.3 to 26.3m | | 1 | 13.30 | 0.20 | 0.10 | 0.27 | | |
| | Road gap | | 1 | 13.00 | 0.20 | 0.10 | 0.26 | | |
| | Ch.0.00 to 14.0m | | | | | | | | |
| | Ch.14.0 to 28.4m | | 1 | 14.00 | 0.20 | 0.10 | 0.28 | | |
| | Ch.28.4 to 36.4m | | 1 | 14.40 | 0.00 | 0.00 | 0.00 | | |
| | Road gap | | 1 | 8.00 | 0.00 | 0.00 | 0.00 | | |
| | Ch.0.00 to 26.7m | | | | | | | | |
| | | | 1 | 26.70 | 0.20 | 0.10 | 0.53 | | |
| | | | | | | | Present Qty | 292.59 | |
| | | | | | | | Quantity Limiting to | 291.67 | 4479.56 | 1306554.00 |

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

24/12/2020

Executive Engineer

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

24/12/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Discription of Item | Detailed Measurements | | | | | | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | No | Length | Breadth | Depth | Qty | | |
| 3 | KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Total drain length=142m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=1246.00Nos | | 1246 | 2.15 | | 0.60 | 1607.538 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 142.0 | | 0.60 | 1363.2 | | |
| | **RHS From dead end** | | | | | | | | |
| | Total drain length=185m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=1500.00Nos | | 1500 | 2.15 | | 0.60 | 1935 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 185.0 | | 0.60 | 1776 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From main road** | | | | | | | | |
| | Total drain length=181.5m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=1473Nos | | 1473 | 2.15 | | 0.60 | 1900.269 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 181.5 | | 0.60 | 1742.4 | | |
| | **RHS From dead end** | | | | | | | | |
| | Total drain length=145.4m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=1272Nos | | 1272 | 2.15 | | 0.60 | 1641.277 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 145.40 | | 0.60 | 1395.8 | | |
| | **1st Cross road** | | | | | | | | |
| | **LHS From 1st main road** | | | | | | | | |
| | Total drain length=99.0m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=838Nos | | 838 | 2.15 | | 0.60 | 1081.6 | | |

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|---|---|---|---|---|---|---|---|---|---|
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | **RHS From 2nd main road** | | 16 | 99.00 | | 0.60 | 950.4 | | |
| | Total drain length=78.5m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=758Nos | | 758 | 2.15 | | 0.60 | 977.4 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 78.50 | | 0.60 | 753.6 | | |
| | **2nd Cross road** | | | | | | | | |
| | **LHS From 1st main road** | | | | | | | | |
| | Total drain length=99.5m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=919Nos | | 919 | 2.15 | | 0.60 | 1185.8 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 99.50 | | 0.60 | 955.2 | | |
| | **RHS From 2nd main road** | | | | | | | | |
| | Total drain length=99.6m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=920Nos | | 920 | 2.15 | | 0.60 | 1186.8 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 99.60 | | 0.60 | 956.2 | | |
| | **3rd Cross road** | | | | | | | | |
| | **LHS From 1st main road** | | | | | | | | |
| | Total drain length=102.2m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=940Nos | | 940 | 2.15 | | 0.60 | 1212.6 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 102.20 | | 0.60 | 981.1 | | |
| | **RHS From 2nd main road** | | | | | | | | |
| | Total drain length=101.3m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=933Nos | | 933.1 | 2.15 | | 0.60 | 1203.7 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 101.30 | | 0.60 | 972.5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **4th cross road** | | | | | | | | |
| | **LHS From 1st main road** | | | | | | | | |
| | Total drain length=102.8m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=914Nos | | 914 | 2.15 | | 0.60 | 1178.9 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 102.80 | | 0.60 | 986.9 | | |
| | **RHS From 2nd main road** | | | | | | | | |
| | Total drain length=87.4m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=749Nos | | 749.2 | 2.15 | | 0.60 | 966.5 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 87.40 | | 0.60 | 839.0 | | |
| | **5th Cross road** | | | | | | | | |
| | **LHS From 1st main road** | | | | | | | | |
| | Total drain length=102.0m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=938Nos | | 938 | 2.15 | | 0.60 | 1210.6 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 102.00 | | 0.60 | 979.2 | | |
| | **RHS From 2nd main road** | | | | | | | | |
| | Total drain length=103.7m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=875Nos | | 875 | 2.15 | | 0.60 | 1128.3 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 103.70 | | 0.60 | 995.5 | | |
| | **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Total drain length=183.0m | | | | | | | | |
| | Main bar 10mm dia bar @ 130mm | | | | | | | | |
| | 0.60kg/mtr | | | | | | | | |
| | No of U-bar=1615Nos | | 1615 | 2.15 | | 0.60 | 2083.8 | | |
| | Distribution bar | | | | | | | | |
| | Distribution bar 08mm dia @ 150mm | | | | | | | | |
| | 0.60kg/mtr | | 16 | 183.00 | | 0.60 | 1756.8 | | |
| | | | | | | | 37903.92 | | |
| | | | | | | **Present Qty** | **37.90** | | |
| | | | | | | **Quantity Limiting To** | **37.88** | 72326.98 | 2739747.00 |

Contractor

Assistant Engineer

Asst. Executive Engineer,
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

13/1/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Discription of Item | | Detailed Measurements No | Length | Breadth | Depth | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200. KPWD S.R 2018-19 | | | | | | | | |
| | **CC Drains** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | 0.90 | 0.15 | 1.59 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 0.90 | 0.15 | 3.51 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | 0.90 | 0.15 | 3.51 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | 0.90 | 0.15 | 3.56 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 0.90 | 0.15 | 3.51 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | 0.90 | 0.15 | 1.69 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | 0.90 | 0.15 | 0.41 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | 0.90 | 0.15 | 1.39 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | 0.90 | 0.15 | 2.40 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | 0.90 | 0.15 | 3.66 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | 0.90 | 0.15 | 2.40 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | 0.90 | 0.15 | 3.06 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | 0.90 | 0.15 | 2.92 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | 0.90 | 0.15 | 2.43 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | 0.90 | 0.15 | 3.13 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | 0.90 | 0.15 | 1.28 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | 0.90 | 0.15 | 3.77 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | 0.90 | 0.15 | 3.65 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | 0.90 | 0.15 | 1.80 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | 0.90 | 0.15 | 0.50 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.164.6 to 175.1m | | | | | | | | |
| | Ch.175.1 to 177.6m | | 1 | 7.50 | 0.90 | 0.15 | 1.01 | | |
| | Ch.177.6 to 181.5m | | 1 | 9.30 | 0.90 | 0.15 | 1.26 | | |
| | **RHS From End** | | 1 | 3.90 | 0.90 | 0.15 | 0.53 | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Road gap | | 1 | 13.00 | 0.90 | 0.15 | 1.76 | | |
| | Ch.0.00 to 26.2m | | | | | | | | |
| | Road gap | | 1 | 26.20 | 0.90 | 0.15 | 3.54 | | |
| | Ch.0.00 to 12.9m | | | | | | | | |
| | Ch.12.9 to 17.5m | | 1 | 12.90 | 0.90 | 0.15 | 1.74 | | |
| | Ch.17.5 to 25.9m | | 1 | 4.60 | 0.90 | 0.15 | 0.62 | | |
| | Road gap | | 1 | 7.30 | 0.90 | 0.15 | 0.99 | | |
| | Ch.0.00 to 26.2m | | | | | | | | |
| | Road gap | | 1 | 26.20 | 0.90 | 0.15 | 3.54 | | |
| | Ch.0.00 to 13.3m | | | | | | | | |
| | Ch.13.3 to 26.1m | | 1 | 13.30 | 0.90 | 0.15 | 1.80 | | |
| | Road gap | | 1 | 12.80 | 0.90 | 0.15 | 1.73 | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Ch.13.0 to 28.0m | | 1 | 13.00 | 0.90 | 0.15 | 1.76 | | |
| | **1st Cross Road** | | 1 | 15.00 | 0.90 | 0.15 | 2.03 | | |
| | **RHS From 2nd Main Road** | | | | | | | | |
| | Ch.0.00 to 18.2m | | 1 | 18.20 | 0.90 | 0.15 | 2.46 | | |
| | Ch.18.2 to 21.4m | | 1 | 3.20 | 0.90 | 0.15 | 0.43 | | |
| | Ch.21.4 to 36.5m | | 1 | 15.10 | 0.90 | 0.15 | 2.04 | | |
| | Ch.36.5 to 48.5m | | 1 | 12.00 | 0.90 | 0.15 | 1.62 | | |
| | Ch.48.5 to 78.5m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | **LHS From 1st Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.30.0 to 60.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.60.0 to 90.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.90.0 to 99.0m | | 1 | 8.50 | 0.90 | 0.15 | 1.15 | | |
| | **2nd Cross Road** | | | | | | | | |
| | **RHS From 2nd Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.30.0 to 38.3m | | 1 | 8.30 | 0.90 | 0.15 | 1.12 | | |
| | Ch.38.3 to 40.6m | | 1 | 2.30 | 0.90 | 0.15 | 0.31 | | |
| | Ch.40.6 to 44.8m | | 1 | 4.20 | 0.90 | 0.15 | 0.57 | | |
| | Ch.44.8 to 50.3m | | 1 | 5.50 | 0.90 | 0.15 | 0.74 | | |
| | Ch.50.3 to 62.6m | | 1 | 12.30 | 0.90 | 0.15 | 1.66 | | |
| | Ch.62.6 to 92.6m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| | Ch.92.6 to 99.6m | | 1 | 7.00 | 0.90 | 0.15 | 0.95 | | |
| | **LHS From 1st Main Road** | | | | | | | | |
| | Ch.0.00 to 4.8m | | 1 | 4.80 | 0.90 | 0.15 | 0.65 | | |
| | Ch.4.8 to 9.1m | | 1 | 4.30 | 0.90 | 0.15 | 0.58 | | |
| | Ch.9.1 to 18.9m | | 1 | 9.80 | 0.90 | 0.15 | 1.32 | | |
| | Ch.18.9 to 27.6m | | 1 | 8.70 | 0.90 | 0.15 | 1.17 | | |
| | Ch.27.6 to 37.2m | | 1 | 9.60 | 0.90 | 0.15 | 1.30 | | |
| | Ch.37.2 to 46.2m | | 1 | 9.00 | 0.90 | 0.15 | 1.22 | | |
| | Ch.46.2 to 64.5m | | 1 | 18.30 | 0.90 | 0.15 | 2.47 | | |
| | Ch.64.5 to 69.5m | | 1 | 5.00 | 0.90 | 0.15 | 0.68 | | |

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|---|---|---|---|---|---|---|---|---|
| Ch.69.5 to 99.5m | | | | | | | | |
| **3rd Cross Road** | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.0m | | | | | | | | |
| Ch.9.0 to 26.8m | | 1 | 9.00 | 0.90 | 0.15 | 1.22 | | |
| Ch.26.8 to 56.8m | | 1 | 17.80 | 0.90 | 0.15 | 2.40 | | |
| Ch.56.8 to 73.8m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.73.8 to 83.1m | | 1 | 17.00 | 0.90 | 0.15 | 2.30 | | |
| Ch.83.1 to 101.3m | | 1 | 9.30 | 0.90 | 0.15 | 1.26 | | |
| **LHS From 1st Main Road** | | 1 | 18.20 | 0.90 | 0.15 | 2.46 | | |
| Ch.0.00 to 27.5m | | | | | | | | |
| Ch.27.5 to 36.5m | | 1 | 27.50 | 0.90 | 0.15 | 3.71 | | |
| Ch.36.5 to 66.5m | | 1 | 9.00 | 0.90 | 0.15 | 1.22 | | |
| Ch.66.5 to 75.9m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.75.9 to m | | 1 | 9.00 | 0.90 | 0.15 | 1.22 | | |
| Ch.37.2 to 46.2m | | 1 | 17.40 | 0.90 | 0.15 | 2.35 | | |
| **4th Cross Road** | | 1 | 9.40 | 0.90 | 0.15 | 1.27 | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.8m | | | | | | | | |
| Ch.9.8 to 22.6m | | 1 | 9.80 | 0.90 | 0.15 | 1.32 | | |
| Ch.22.6 to 38.3m | | 1 | 12.80 | 0.90 | 0.15 | 1.73 | | |
| Ch.38.3 to 43.7m | | 1 | 15.70 | 0.90 | 0.15 | 2.12 | | |
| Ch.43.7 to 47.7m | | 1 | 5.40 | 0.90 | 0.15 | 0.75 | | |
| Ch.47.7 to 56.2m | | 1 | 4.00 | 0.90 | 0.15 | 0.54 | | |
| Ch.56.2 to 65.8m | | 1 | 8.50 | 0.90 | 0.15 | 1.15 | | |
| Ch.65.8 to 70.1m | | 1 | 9.60 | 0.90 | 0.15 | 1.30 | | |
| Ch.70.1 to 93.3m | | 1 | 4.30 | 0.90 | 0.15 | 0.58 | | |
| Ch.93.3 to 98.3m | | 1 | 16.50 | 0.90 | 0.15 | 2.23 | | |
| Ch.98.3 to 102.6m | | 1 | 8.30 | 0.90 | 0.15 | 1.12 | | |
| **LHS From 1st Main Road** | | 1 | 4.30 | 0.90 | 0.15 | 0.58 | | |
| Ch.0.00 to20.0m | | 1 | 20.00 | 0.90 | 0.15 | 2.70 | | |
| Ch.20.0 to 30.0m | | 1 | 10.00 | 0.90 | 0.15 | 1.35 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.90.0 to 102.8m | | 1 | 12.80 | 0.90 | 0.15 | 1.73 | | |
| **5th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 14.5m | | 1 | 14.50 | 0.90 | 0.15 | 1.96 | | |
| Ch.14.5 to 44.5m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.44.5 to 66.2m | | 1 | 21.70 | 0.90 | 0.15 | 2.93 | | |
| Ch.66.2 to 69.9m | | 1 | 3.70 | 0.90 | 0.15 | 0.50 | | |
| Ch.69.9 to 99.9m | | 1 | 20.00 | 0.90 | 0.15 | 2.70 | | |
| Ch.99.9 to 109.9m | | 1 | 10.00 | 0.90 | 0.15 | 1.35 | | |
| Ch109.9 to 103.7m | | 1 | 3.80 | 0.90 | 0.15 | 0.51 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Ch.90.0 to 102.0m | | 1 | 12.00 | 0.90 | 0.15 | 1.62 | | |

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|---|---|---|---|---|---|---|---|---|
| **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | | | | | | | |
| Ch.30.0 to 34.8m | | 1 | 30.00 | 0.90 | 0.15 | 4.05 | | |
| Road gap | | 1 | 4.80 | 0.90 | 0.15 | 0.65 | | |
| Ch.0.00 to 10.6m | | | | | | | | |
| Ch.10.6 to 25.2m | | 1 | 10.60 | 0.90 | 0.15 | 1.43 | | |
| Road gap | | 1 | 14.60 | 0.90 | 0.15 | 1.97 | | |
| Ch.0.00 to 3.9m | | | | | | | | |
| Ch.3.9 to 12.2m | | 1 | 3.90 | 0.90 | 0.15 | 0.53 | | |
| Ch.12.2 to 25.4m | | 1 | 8.30 | 0.90 | 0.15 | 1.12 | | |
| Road gap | | 1 | 13.20 | 0.90 | 0.15 | 1.78 | | |
| Ch.0.00 to 13.0m | | | | | | | | |
| Ch.13.0 to 26.3m | | 1 | 13.00 | 0.90 | 0.15 | 1.76 | | |
| Road gap | | 1 | 13.30 | 0.00 | 0.00 | 0.00 | | |
| Ch.0.00 to 13.1m | | | | | | | | |
| Ch.13.1 to 26.4m | | 1 | 13.10 | 0.90 | 0.15 | 1.77 | | |
| Road gap | | 1 | 13.30 | 0.90 | 0.15 | 1.80 | | |
| Ch.0.00 to 13.3m | | | | | | | | |
| Ch.13.3 to 26.3m | | 1 | 13.30 | 0.90 | 0.15 | 1.80 | | |
| Road gap | | 1 | 13.00 | 0.90 | 0.15 | 1.76 | | |
| Ch.0.00 to 14.0m | | | | | | | | |
| Ch.14.0 to 28.4m | | 1 | 14.00 | 0.90 | 0.15 | 1.89 | | |
| Ch.28.4 to 36.4m | | 1 | 14.40 | 0.00 | 0.00 | 0.00 | | |
| Road gap | | 1 | 8.00 | 0.00 | 0.00 | 0.00 | | |
| Ch.0.00 to 26.7m | | | | | | | | |
| **BHEL Layout** | | 1 | 26.70 | 0.90 | 0.15 | 3.60 | | |
| **Side Wall** | | | | | | | | |
| **1st Main Road** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 11.8m | | | | | | | | |
| Road gap | | 2 | 11.80 | 0.15 | 0.60 | 2.12 | | |
| Ch.0.00 to 26.0m | | | | | | | | |
| Road gap | | 2 | 26.00 | 0.15 | 0.60 | 4.68 | | |
| Ch:0.00to 26.0m | | | | | | | | |
| Road gap | | 2 | 26.00 | 0.15 | 0.60 | 4.68 | | |
| Ch.0.00 to 26.4m | | | | | | | | |
| Road gap | | 2 | 26.40 | 0.15 | 0.60 | 4.75 | | |
| Ch.0.00 to 26.0m | | | | | | | | |
| Road gap | | 2 | 26.00 | 0.15 | 0.60 | 4.68 | | |
| Ch.0.00 to 12.5m | | | | | | | | |
| Ch.12.5 to 15.5m | | 2 | 12.50 | 0.15 | 0.56 | 2.10 | | |
| Ch.15.5 to 25.8m | | 2 | 3.00 | 0.15 | 0.56 | 0.50 | | |
| **RHS From End** | | 2 | 10.30 | 0.15 | 0.56 | 1.73 | | |
| Ch.0.00 to 17.8m | | | | | | | | |
| Ch.17.8 to 44.9m | | 2 | 17.80 | 0.15 | 0.59 | 3.15 | | |
| Ch.44.9 to 62.7m | | 2 | 27.10 | 0.15 | 0.59 | 4.80 | | |
| Ch.62.7 to 92.7m | | 2 | 17.80 | 0.15 | 0.59 | 3.15 | | |
| Ch.92.7 to 122.7m | | 2 | 30.00 | 0.15 | 0.59 | 5.31 | | |
| | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |

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|---|---|---|---|---|---|---|---|---|
| Ch.122.7 to 145.4m | | | | | | | | |
| Ch.145.4 to 167.0m | | 2 | 22.70 | 0.15 | 0.60 | 4.09 | | |
| Ch.167.0 to 185.0m | | 2 | 21.60 | 0.15 | 0.60 | 3.89 | | |
| **2nd Main Road** | | 2 | 18.00 | 0.15 | 0.60 | 3.24 | | |
| **LHS From Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.30.0 to 53.2m | | 2 | 23.20 | 0.15 | 0.60 | 4.18 | | |
| Ch.53.2 to 62.7m | | 2 | 9.50 | 0.15 | 0.60 | 1.71 | | |
| Ch.62.7 to 90.6m | | 2 | 27.90 | 0.15 | 0.60 | 5.02 | | |
| Ch.90.6 to 117.6m | | 2 | 27.00 | 0.15 | 0.58 | 4.70 | | |
| Ch.117.6 to 130.9m | | 2 | 13.30 | 0.15 | 0.58 | 2.31 | | |
| Ch.130.9 to 134.6m | | 2 | 3.70 | 0.15 | 0.58 | 0.64 | | |
| Ch.134.6 to 164.6m | | 2 | 30.00 | 0.15 | 0.58 | 5.22 | | |
| Ch.164.6 to 175.1m | | 2 | 10.50 | 0.15 | 0.58 | 1.83 | | |
| Ch.175.1 to 177.6m | | 2 | 2.50 | 0.15 | 0.58 | 0.44 | | |
| Ch.177.6 to 181.5m | | 2 | 3.90 | 0.15 | 0.60 | 0.70 | | |
| **RHS From End** | | | | | | | | |
| Ch.0.00 to 13.0m | | 2 | 13.00 | 0.15 | 0.60 | 2.34 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.2m | | 2 | 26.20 | 0.15 | 0.60 | 4.72 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 12.9m | | 2 | 12.90 | 0.15 | 0.60 | 2.32 | | |
| Ch.12.9 to 17.5m | | 2 | 4.60 | 0.15 | 0.60 | 0.83 | | |
| Ch.17.5 to 25.9m | | 2 | 8.40 | 0.15 | 0.60 | 1.51 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 26.2m | | 2 | 26.20 | 0.15 | 0.60 | 4.72 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 13.3m | | 2 | 13.30 | 0.15 | 0.59 | 2.35 | | |
| Ch.13.3 to 26.1m | | 2 | 12.80 | 0.15 | 0.59 | 2.27 | | |
| Road gap | | | | | | | | |
| Ch.0.00 to 13.0m | | 2 | 13.00 | 0.15 | 0.60 | 2.34 | | |
| Ch.13.0 to 28.0m | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| **1st Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 18.2m | | 2 | 18.20 | 0.15 | 0.59 | 3.22 | | |
| Ch.18.2 to 21.4m | | 2 | 3.20 | 0.15 | 0.59 | 0.57 | | |
| Ch.21.4 to 36.5m | | 2 | 15.10 | 0.15 | 0.59 | 2.67 | | |
| Ch.36.5 to 48.5m | | 2 | 12.00 | 0.15 | 0.60 | 2.16 | | |
| Ch.48.5 to 78.5m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.30.0 to 60.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.60.0 to 90.0m | | 2 | 30.00 | 0.15 | 0.59 | 5.31 | | |
| Ch.90.0 to 99.0m | | 2 | 9.00 | 0.15 | 0.59 | 1.59 | | |
| **2nd Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.30.0 to 38.3m | | 2 | 8.30 | 0.15 | 0.58 | 1.44 | | |
| Ch.38.3 to 40.6m | | 2 | 2.30 | 0.15 | 0.60 | 0.41 | | |
| Ch.40.6 to 44.8m | | 2 | 4.20 | 0.15 | 0.60 | 0.76 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Ch.44.8 to 50.3m | | 2 | 5.50 | 0.15 | 0.60 | 0.94 | | |
| Ch.50.3 to 62.6m | | 2 | 12.30 | 0.15 | 0.60 | 2.21 | | |
| Ch.62.6 to 92.6m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.92.6 to 99.6m | | 2 | 7.00 | 0.15 | 0.60 | 1.26 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 4.8m | | 2 | 4.80 | 0.15 | 0.59 | 0.85 | | |
| Ch.4.8 to 9.1m | | 2 | 4.30 | 0.15 | 0.59 | 0.76 | | |
| Ch.9.1 to 18.9m | | 2 | 9.80 | 0.15 | 0.59 | 1.73 | | |
| Ch.18.9 to 27.6m | | 2 | 8.70 | 0.15 | 0.59 | 1.54 | | |
| Ch.27.6 to 37.2m | | 2 | 9.60 | 0.15 | 0.59 | 1.70 | | |
| Ch.37.2 to 46.2m | | 2 | 9.00 | 0.15 | 0.59 | 1.59 | | |
| Ch.46.2 to 64.5m | | 2 | 18.30 | 0.15 | 0.59 | 3.24 | | |
| Ch.64.5 to 69.5m | | 2 | 5.00 | 0.15 | 0.59 | 0.89 | | |
| Ch.69.5 to 99.5m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| **3rd Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.0m | | 2 | 9.00 | 0.15 | 0.60 | 1.62 | | |
| Ch.9.0 to 26.8m | | 2 | 17.80 | 0.15 | 0.60 | 3.20 | | |
| Ch.26.8 to 56.8m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.56.8 to 73.8m | | 2 | 17.00 | 0.15 | 0.60 | 3.06 | | |
| Ch.73.8 to 83.1m | | 2 | 9.30 | 0.15 | 0.60 | 1.67 | | |
| Ch.83.1 to 101.3m | | 2 | 18.20 | 0.15 | 0.60 | 3.28 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 27.5m | | 2 | 27.50 | 0.15 | 0.60 | 4.95 | | |
| Ch.27.5 to 36.5m | | 2 | 9.00 | 0.15 | 0.60 | 1.62 | | |
| Ch.36.5 to 66.5m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.66.5 to 75.9m | | 2 | 9.40 | 0.15 | 0.60 | 1.69 | | |
| Ch.75.9 to m | | 2 | 16.90 | 0.15 | 0.60 | 3.04 | | |
| Ch.37.2 to 46.2m | | 2 | 9.40 | 0.15 | 0.60 | 1.69 | | |
| **4th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.8m | | 2 | 9.80 | | | | | |
| Ch.9.8 to 22.6m | | 2 | 12.80 | 0.15 | 0.60 | 2.30 | | |
| Ch.22.6 to 38.3m | | 2 | 15.70 | 0.15 | 0.60 | 2.83 | | |
| Ch.38.3 to 43.7m | | 2 | 5.40 | 0.15 | 0.60 | 0.97 | | |
| Ch.43.7 to 47.7m | | 2 | 4.00 | 0.15 | 0.60 | 0.72 | | |
| Ch.47.7 to 56.2m | | 2 | 8.50 | 0.15 | 0.60 | 1.53 | | |
| Ch.56.2 to 65.8m | | 2 | 9.60 | 0.15 | 0.60 | 1.73 | | |
| Ch.65.8 to 70.1m | | 2 | 4.30 | 0.15 | 0.60 | 0.77 | | |
| Ch.70.1 to 93.3m | | 2 | 23.20 | 0.15 | 0.60 | 4.18 | | |
| Ch.93.3 to 98.3m | | 2 | 5.00 | 0.15 | 0.60 | 0.90 | | |
| Ch.98.3 to 102.6m | | 2 | 4.30 | 0.15 | 0.60 | 0.77 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.30.0 to 60.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.60.0 to 90.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| Ch.90.0 to 102.8m | | 2 | 12.80 | 0.15 | 0.60 | 2.30 | | |
| **5th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 14.5m | | 2 | 14.50 | 0.15 | 0.60 | 2.61 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.14.5 to 44.5m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.44.5 to 66.2m | | 2 | 21.70 | 0.15 | 0.60 | 3.91 | | |
| | Ch.66.2 to 69.9m | | 2 | 3.70 | 0.15 | 0.60 | 0.67 | | |
| | Ch.69.9 to 99.9m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.9.9 to 103.7m | | 2 | 3.80 | 0.15 | 0.60 | 0.68 | | |
| | **LHS From 1st Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.30.0 to 60.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.60.0 to 90.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.90.0 to 102.0m | | 2 | 12.00 | 0.15 | 0.60 | 2.16 | | |
| | **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 2 | 30.00 | 0.15 | 0.60 | 5.40 | | |
| | Ch.30.0 to 34.8m | | 2 | 4.80 | 0.15 | 0.60 | 0.86 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 10.6m | | 2 | 10.60 | 0.15 | 0.60 | 1.91 | | |
| | Ch.10.6 to 25.2m | | 2 | 14.60 | 0.15 | 0.60 | 2.63 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 3.9m | | 2 | 3.90 | 0.15 | 0.60 | 0.70 | | |
| | Ch.3.9 to 12.2m | | 2 | 8.30 | 0.15 | 0.60 | 1.49 | | |
| | Ch.12.2 to 25.4m | | 2 | 13.20 | 0.15 | 0.60 | 2.38 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 13.0m | | 2 | 13.00 | 0.15 | 0.60 | 2.34 | | |
| | Ch.13.0 to 26.3m | | 2 | 13.30 | 0.15 | 0.60 | 2.39 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 13.1m | | 2 | 13.10 | 0.15 | 0.60 | 2.36 | | |
| | Ch.13.1 to 26.4m | | 2 | 13.30 | 0.15 | 0.60 | 2.39 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 13.3m | | 2 | 13.30 | 0.15 | 0.60 | 2.39 | | |
| | Ch.13.3 to 26.3m | | 2 | 13.00 | 0.15 | 0.60 | 2.34 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 14.0m | | 2 | 14.00 | 0.15 | 0.60 | 2.52 | | |
| | Ch.14.0 to 28.4m | | 2 | 14.40 | 0.00 | 0.00 | 0.00 | | |
| | Ch.28.4 to 36.4m | | 2 | 8.00 | 0.00 | 0.00 | 0.00 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.7m | | 2 | 26.70 | 0.15 | 0.60 | 4.81 | | |
| | | | | | | **Present Qty** | 577.38 | | |
| | | | | | | **Quantity Limiting To** | 576.77 | 7070.20 | 4077880.00 |

Contractor

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪವಿಭಾಗ, ಬಿಬಿಎಂಪಿ.
Asst. Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

6/1/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Discription of Item | | No | Length | Breadth | Depth | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Detailed Measurements | | | | | | | | |
| 5 | Supplying and Fixing precast reinforced concrete slab 100mm thick of mix M20 using 20mm and down size graded granite metal using reinforced 10mm dia steel at 150mm C/C both ways cost of transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials. | | | | | | | | |
| | **CC Drains** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | 0.90 | | 10.62 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 0.00 | | 0.00 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | 0.00 | | 0.00 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | 0.90 | | 23.76 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | 0.90 | | 23.40 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | 0.90 | | 11.25 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | 0.00 | | 0.00 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | 0.90 | | 9.27 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | 0.90 | | 16.02 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | 0.90 | | 24.39 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | 0.90 | | 16.02 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | 0.90 | | 20.43 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | 0.00 | | 0.00 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | 0.90 | | 16.20 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | 0.00 | | 0.00 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | 0.90 | | 20.88 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | 0.00 | | 0.00 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | 0.00 | | 0.00 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | 0.90 | | 24.30 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | 0.90 | | 11.97 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | 0.00 | | 0.00 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| | Ch.164.6 to 175.1m | | 1 | 7.50 | 0.90 | | 6.75 | | |
| | Ch.175.1 to 177.6m | | 1 | 9.30 | 0.90 | | 8.37 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Ch.177.6 to 181.5m | | | | | | | | |
| **RHS From End** | | 1 | 3.90 | 0.90 | | 3.51 | | |
| Ch.0.00 to 13.0m | | | | | | | | |
| Road gap | | 1 | 13.00 | 0.90 | | 11.70 | | |
| Ch.0.00 to 26.2m | | | | | | | | |
| Road gap | | 1 | 26.20 | 0.90 | | 23.58 | | |
| Ch.0.00 to 12.9m | | | | | | | | |
| Ch.12.9 to 17.5m | | 1 | 12.90 | 0.00 | | 0.00 | | |
| Ch.17.5 to 25.9m | | 1 | 4.60 | 0.00 | | 0.00 | | |
| Road gap | | 1 | 7.30 | 0.90 | | 6.57 | | |
| Ch.0.00 to 26.2m | | | | | | | | |
| Road gap | | 1 | 26.20 | 0.90 | | 23.58 | | |
| Ch.0.00 to 13.3m | | | | | | | | |
| Ch.13.3 to 26.1m | | 1 | 13.30 | 0.90 | | 11.97 | | |
| Road gap | | 1 | 12.80 | 0.00 | | 0.00 | | |
| Ch.0.00 to 13.0m | | | | | | | | |
| Ch.13.0 to 28.0m | | 1 | 13.00 | 0.00 | | 0.00 | | |
| **1st Cross Road** | | 1 | 15.00 | 0.90 | | 13.50 | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 18.2m | | 1 | 18.20 | 0.90 | | 16.38 | | |
| Ch.18.2 to 21.4m | | 1 | 3.20 | 0.00 | | 0.00 | | |
| Ch.21.4 to 36.5m | | 1 | 15.10 | 0.90 | | 13.59 | | |
| Ch.36.5 to 48.5m | | 1 | 12.00 | 0.00 | | 0.00 | | |
| Ch.48.5 to 78.5m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| Ch.30.0 to 60.0m | | 1 | 30.00 | 0.00 | | 0.00 | | |
| Ch.60.0 to 90.0m | | 1 | 30.00 | 0.00 | | 0.00 | | |
| Ch.90.0 to 99.0m | | 1 | 8.50 | 0.00 | | 0.00 | | |
| **2nd Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| Ch.30.0 to 38.3m | | 1 | 8.30 | 0.90 | | 7.47 | | |
| Ch.38.3 to 40.6m | | 1 | 2.30 | 0.00 | | 0.00 | | |
| Ch.40.6 to 44.8m | | 1 | 4.20 | 0.00 | | 0.00 | | |
| Ch.44.8 to 50.3m | | 1 | 5.50 | 0.00 | | 0.00 | | |
| Ch.50.3 to 62.6m | | 1 | 12.30 | 0.00 | | 0.00 | | |
| Ch.62.6 to 92.6m | | 1 | 30.00 | 0.00 | | 0.00 | | |
| Ch.92.6 to 99.6m | | 1 | 7.00 | 0.90 | | 6.30 | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 4.8m | | 1 | 4.80 | 0.00 | | 0.00 | | |
| Ch.4.8 to 9.1m | | 1 | 4.30 | 0.00 | | 0.00 | | |
| Ch.9.1 to 18.9m | | 1 | 9.80 | 0.00 | | 0.00 | | |
| Ch.18.9 to 27.6m | | 1 | 8.70 | 0.00 | | 0.00 | | |
| Ch.27.6 to 37.2m | | 1 | 9.60 | 0.00 | | 0.00 | | |
| Ch.37.2 to 46.2m | | 1 | 9.00 | 0.00 | | 0.00 | | |
| Ch.46.2 to 64.5m | | 1 | 18.30 | 0.90 | | 16.47 | | |
| Ch.64.5 to 69.5m | | 1 | 5.00 | 0.00 | | 0.00 | | |
| Ch.69.5 to 99.5m | | 1 | 30.00 | 0.90 | | 27.00 | | |
| **3rd Cross Road** | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.0m | 1 | 9.00 | 0.90 | | 8.10 | | | |
| Ch.9.0 to 26.8m | 1 | 17.80 | 0.00 | | 0.00 | | | |
| Ch.26.8 to 56.8m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.56.8 to 73.8m | 1 | 17.00 | 0.90 | | 15.30 | | | |
| Ch.73.8 to 83.1m | 1 | 9.30 | 0.00 | | 0.00 | | | |
| Ch.83.1 to 101.3m | 1 | 18.20 | 0.00 | | 0.00 | | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 27.5m | 1 | 27.50 | 0.90 | | 24.75 | | | |
| Ch.27.5 to 36.5m | 1 | 9.00 | 0.00 | | 0.00 | | | |
| Ch.36.5 to 66.5m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.66.5 to 75.9m | 1 | 9.00 | 0.90 | | 8.10 | | | |
| Ch.75.9 to m | 1 | 17.40 | 0.00 | | 0.00 | | | |
| Ch.37.2 to 46.2m | 1 | 9.40 | 0.90 | | 8.46 | | | |
| **4th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 9.8m | 1 | 9.80 | 0.00 | | 0.00 | | | |
| Ch.9.8 to 22.6m | 1 | 12.80 | 0.90 | | 11.52 | | | |
| Ch.22.6 to 38.3m | 1 | 15.70 | 0.90 | | 14.13 | | | |
| Ch.38.3 to 43.7m | 1 | 5.40 | 0.00 | | 0.00 | | | |
| Ch.43.7 to 47.7m | 1 | 4.00 | 0.00 | | 0.00 | | | |
| Ch.47.7 to 56.2m | 1 | 8.50 | 0.00 | | 0.00 | | | |
| Ch.56.2 to 65.8m | 1 | 9.60 | 0.90 | | 8.64 | | | |
| Ch.65.8 to 70.1m | 1 | 4.30 | 0.00 | | 0.00 | | | |
| Ch.70.1 to 93.3m | 1 | 16.50 | 0.90 | | 14.85 | | | |
| Ch.93.3 to 98.3m | 1 | 8.30 | 0.00 | | 0.00 | | | |
| Ch.98.3 to 102.6m | 1 | 4.30 | 0.90 | | 3.87 | | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to20.0m | 1 | 20.00 | 0.90 | | 18.00 | | | |
| Ch.20.0 to 30.0m | 1 | 10.00 | 0.00 | | 0.00 | | | |
| Ch.30.0 to 60.0m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.60.0 to 90.0m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.90.0 to 102.8m | 1 | 12.80 | 0.90 | | 11.52 | | | |
| **5th Cross Road** | | | | | | | | |
| **RHS From 2nd Main Road** | | | | | | | | |
| Ch.0.00 to 14.5m | 1 | 14.50 | 0.90 | | 13.05 | | | |
| Ch.14.5 to 44.5m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.44.5 to 66.2m | 1 | 21.70 | 0.90 | | 19.53 | | | |
| Ch.66.2 to 69.9m | 1 | 3.70 | 0.00 | | 0.00 | | | |
| Ch.69.9 to 99.9m | 1 | 20.00 | 0.90 | | 18.00 | | | |
| Ch.99.9 to 109.9m | 1 | 10.00 | 0.90 | | 9.00 | | | |
| Ch109.9 to 103.7m | 1 | 3.80 | 0.90 | | 3.42 | | | |
| **LHS From 1st Main Road** | | | | | | | | |
| Ch.0.00 to 30.0m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.30.0 to 60.0m | 1 | 30.00 | 0.90 | | 27.00 | | | |
| Ch.60.0 to 90.0m | 1 | 30.00 | 0.00 | | 0.00 | | | |
| Ch.90.0 to 102.0m | 1 | 12.00 | 0.90 | | 10.80 | | | |
| **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | | |
| **LHS From Main Road** | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.0.00 to 30.0m | | | | | | | | |
| | Ch.30.0 to 34.8m | | 1 | 30.00 | 0.00 | | 0.00 | | |
| | Road gap | | 1 | 4.80 | 0.90 | | 4.32 | | |
| | Ch.0.00 to 10.6m | | | | | | | | |
| | Ch.10.6 to 25.2m | | 1 | 10.60 | 0.00 | | 0.00 | | |
| | Road gap | | 1 | 14.60 | 0.90 | | 13.14 | | |
| | Ch.0.00 to 3.9m | | | | | | | | |
| | Ch.3.9 to 12.2m | | 1 | 3.90 | 0.90 | | 3.51 | | |
| | Ch.12.2 to 25.4m | | 1 | 8.30 | 0.00 | | 0.00 | | |
| | Road gap | | 1 | 13.20 | 0.00 | | 0.00 | | |
| | Ch.0.00 to 13.0m | | | | | | | | |
| | Ch.13.0 to 26.3m | | 1 | 13.00 | 0.00 | | 0.00 | | |
| | Road gap | | 1 | 13.30 | 0.90 | | 11.97 | | |
| | Ch.0.00 to 13.1m | | | | | | | | |
| | Ch.13.1 to 26.4m | | 1 | 13.10 | 0.90 | | 11.79 | | |
| | Road gap | | 1 | 13.30 | 0.00 | | 0.00 | | |
| | Ch.0.00 to 13.3m | | | | | | | | |
| | Ch.13.3 to 26.3m | | 1 | 13.50 | 0.90 | | 11.97 | | |
| | Road gap | | 1 | 13.00 | 0.00 | | 0.00 | | |
| | Ch.0.00 to 14.0m | | | | | | | | |
| | Ch.14.0 to 28.4m | | 1 | 14.00 | 0.90 | | 12.60 | | |
| | Ch.28.4 to 36.4m | | 1 | 14.40 | 0.00 | | 0.00 | | |
| | Road gap | | 1 | 8.00 | 0.00 | | 0.00 | | |
| | Ch.0.00 to 26.7m | | | | | | | | |
| | | | 1 | 26.70 | 0.90 | | 24.03 | | |
| | | | | | | **Present Qty** | **1090.62** | | |
| | | | | | | **Quantity Limiting To** | **1089.00** | **2337.00** | **2544993.00** |

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ Assistant Executive Engineer.
ಪಿ.ಐ.ಪಿ.ಯು.ಪಿ. ಬೆಂಗಳೂರು-106

25/11/2020

15/12/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurment

| Item No | Detailed Measurments<br>Discription of Item | | Unit | Rate | Amount |
|---|---|---|---|---|---|
| 1 | KSRRB300-1. Earthwork excavation by manual means for Drains and similar works in ordinar soil excavated surface levelled and sides neatly dressed, the dispossed earth to be levelled neatly after breaking of clods completed as per specifications.<br>KPWD S.R 2018-19. | | | | |
| | **Present Qty** | **1681.94** | **Cum** | **211.79** | **356219.00** |
| 2 | KSRRB M2900-1. Plain cement concrete M10 mix with crushed stone aggregates 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including cost of materials, labour, HOM completed as per specifications.<br>KPWD S.R 2019-19. | | | | |
| | **Present Qty** | **291.67** | **Cum** | **4479.56** | **1306554.00** |
| 3 | KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. | | | | |
| | **Present Qty** | **37.88** | **Ton** | **72326.98** | **2739747.00** |
| 4 | Providing and laying plain/reinforced cement concrete for side drains walls and bottom raft thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates 0.43 cum machinacally mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinary, curing, etc., completed as per MORTH specifications No. 1500, 1700, 2200.<br>KPWD S.R 2018-19 | | | | |
| | **Present Qty** | **576.77** | **Cum** | **7070.20** | **4077880.00** |

Contractor

PMC

Assistant Engineer

25/1/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
Asst. Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೫೬

25/1/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

| Item No | Discription of Item | | No | Length | Breadth | Depth | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Detailed Measurements | | | | | | | | |
| 6 | providing and fixing Pre cast solid concrete kerb stones of size 450x200x400 mm made of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., completed. KPWD S.R 2018-19 | | | | | | | | |
| | **Kerb stones** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | | | 26 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | | | 57 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | | | 57 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | | | 58 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | | | 57 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | | | 28 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | | | 7 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | | | 23 | | |
| | **RHS From End** | | | | | | | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | | | 39 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | | | 60 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | | | 39 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | | | 66 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | | | 66 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | | | 50 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | | | 48 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | | | 40 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | 1 | 30.00 | | | 66 | | |
| | Ch.0.00 to 30.0m | | 1 | 23.20 | | | 0 | | |
| | Ch.30.0 to 53.2m | | 1 | 9.50 | | | 0 | | |
| | Ch.53.2 to 62.7m | | 1 | 27.90 | | | 59 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.00 | | | 29 | | |
| | Ch.90.6 to 117.6m | | 1 | 13.30 | | | 8 | | |
| | Ch.117.6 to 130.9m | | 1 | 3.70 | | | 66 | | |
| | Ch.130.9 to 134.6m | | 1 | 30.00 | | | | | |
| | Ch.134.6 to 164.6m | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ch.164.6 to 175.1m | | 1 | 10.50 | | | 23 | |
| Ch.175.1 to 177.6m | | 1 | 2.50 | | | 6 | |
| Ch.177.6 to 181.5m | | 1 | 3.90 | | | 9 | |
| **RHS From End** | | | | | | | |
| Ch.0.00 to 13.0m | | | | | | | |
| Road gap | | 1 | 13.00 | | | 29 | |
| Ch.0.00 to 26.2m | | | | | | | |
| Road gap | | 1 | 26.20 | | | 58 | |
| Ch.0.00 to 12.9m | | | | | | | |
| Ch.12.9 to 17.5m | | 1 | 12.90 | | | 28 | |
| Ch.17.5 to 25.9m | | 1 | 4.60 | | | 10 | |
| Road gap | | 1 | 8.40 | | | 18 | |
| Ch.0.00 to 26.2m | | | | | | | |
| Road gap | | 1 | 26.20 | | | 58 | |
| Ch.0.00 to 13.3m | | | | | | | |
| Ch.13.3 to 26.1m | | 1 | 13.30 | | | 29 | |
| Road gap | | 1 | 12.80 | | | 28 | |
| Ch.0.00 to 13.0m | | | | | | | |
| Ch.13.0 to 28.0m | | 1 | 13.00 | | | 29 | |
| **Sri laksmi Venkateshwara opp Road (40' Road)** | | 1 | 15.00 | | | 33 | |
| **LHS From Main Road** | | | | | | | |
| Ch.0.00 to 30.0m | | 1 | 30.00 | | | 0 | |
| Ch.30.0 to 34.8m | | 1 | 4.80 | | | 11 | |
| Road gap | | | | | | | |
| Ch.0.00 to 10.6m | | 1 | 10.60 | | | 23 | |
| Ch.10.6 to 25.2m | | 1 | 14.60 | | | 32 | |
| Road gap | | | | | | | |
| Ch.0.00 to 3.9m | | 1 | 3.90 | | | 9 | |
| Ch.3.9 to 12.2m | | 1 | 8.30 | | | 18 | |
| Ch.12.2 to 25.4m | | 1 | 13.20 | | | | |
| Road gap | | | | | | | |
| Ch.0.00 to 13.0m | | 1 | 13.00 | | | 29 | |
| Ch.13.0 to 26.3m | | 1 | 13.30 | | | 29 | |
| Road gap | | | | | | | |
| Ch.0.00 to 13.1m | | 1 | 13.10 | | | 29 | |
| Ch.13.1 to 26.4m | | 1 | 13.30 | | | 0 | |
| Road gap | | | | | | | |
| Ch.0.00 to 13.3m | | 1 | 13.30 | | | 29 | |
| Ch.13.3 to 26.3m | | 1 | 13.00 | | | | |
| Road gap | | | | | | | |
| Ch.0.00 to 14.0m | | 1 | 14.00 | | | 31 | |
| Ch.14.0 to 28.4m | | 1 | 14.40 | | | 32 | |
| Ch.28.4 to 36.4m | | 1 | 8.00 | | | 0 | |
| Road gap | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.0.00 to 26.7m | | | | | | | | |
| | | | 1 | 26.70 | | | 59 | | |
| | | | | | | Present Qty | 1635 | | |
| | | | | | | Quantity Limiting To | 1634 | 477.00 | 779418.00 |

Contractor

PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು/2020
ಯಲಹಂಕ Assistant Executive Engineer,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

6/2/2020

**Name of Work: Construction of RCC Drains and Culverts at BHEL Layout And Ayyappa Layout and Surrounding Area in ward No. 03, Yelahanka Satellite Town sub Division**

Date of Pre-Measurement :

Detailed Measurements

| Item No | Discription of Item | | No | Length | Breadth | Depth | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 7 | KSRRB 800-1. Painting two coats after filling the surface with synthentic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour completed as per specifications. KPWD S.R 2018-19 | | | | | | | | |
| | **Kerb stones** | | | | | | | | |
| | **BHEL Layout** | | | | | | | | |
| | **1st Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 11.8m | | 1 | 11.80 | | 0.45 | 5.31 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | | 0.45 | 11.70 | | |
| | Road gap | | | | | | | | |
| | Ch:0.00to 26.0m | | 1 | 26.00 | | 0.45 | 11.70 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.4m | | 1 | 26.40 | | 0.45 | 11.88 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 26.0m | | 1 | 26.00 | | 0.45 | 11.70 | | |
| | Road gap | | | | | | | | |
| | Ch.0.00 to 12.5m | | 1 | 12.50 | | 0.45 | 5.63 | | |
| | Ch.12.5 to 15.5m | | 1 | 3.00 | | 0.45 | 1.35 | | |
| | Ch.15.5 to 25.8m | | 1 | 10.30 | | 0.45 | 4.64 | | |
| | **RHS From End** | | | | | 0.45 | 0.00 | | |
| | Ch.0.00 to 17.8m | | 1 | 17.80 | | 0.45 | 8.01 | | |
| | Ch.17.8 to 44.9m | | 1 | 27.10 | | 0.45 | 12.20 | | |
| | Ch.44.9 to 62.7m | | 1 | 17.80 | | 0.45 | 8.01 | | |
| | Ch.62.7 to 92.7m | | 1 | 30.00 | | 0.45 | 13.50 | | |
| | Ch.92.7 to 122.7m | | 1 | 30.00 | | 0.45 | 13.50 | | |
| | Ch.122.7 to 145.4m | | 1 | 22.70 | | 0.45 | 10.22 | | |
| | Ch.145.4 to 167.0m | | 1 | 21.60 | | 0.45 | 9.72 | | |
| | Ch.167.0 to 185.0m | | 1 | 18.00 | | 0.45 | 8.10 | | |
| | **2nd Main Road** | | | | | | | | |
| | **LHS From Main Road** | | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | | 0.45 | 13.50 | | |
| | Ch.30.0 to 53.2m | | 1 | 23.20 | | 0.45 | 10.44 | | |
| | Ch.53.2 to 62.7m | | 1 | 9.50 | | | 0.00 | | |
| | Ch.62.7 to 90.6m | | 1 | 27.90 | | 0.45 | 12.56 | | |
| | Ch.90.6 to 117.6m | | 1 | 27.00 | | 0.45 | 12.15 | | |
| | Ch.117.6 to 130.9m | | 1 | 13.30 | | 0.45 | 5.99 | | |
| | Ch.130.9 to 134.6m | | 1 | 3.70 | | 0.45 | 1.67 | | |
| | Ch.134.6 to 164.6m | | 1 | 30.00 | | 0.45 | 13.50 | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ch.164.6 to 175.1m | | | | | | | |
| | Ch.175.1 to 177.6m | | 1 | 10.50 | | 0.45 | 4.73 | |
| | Ch.177.6 to 181.5m | | 1 | 2.50 | | 0.45 | 1.13 | |
| | **RHS From End** | | 1 | 3.90 | | 0.45 | 1.76 | |
| | Ch.0.00 to 13.0m | | | | | | | |
| | Road gap | | 1 | 13.00 | | 0.45 | 5.85 | |
| | Ch.0.00 to 26.2m | | | | | | | |
| | Road gap | | 1 | 26.20 | | 0.45 | 11.79 | |
| | Ch.0.00 to 12.9m | | | | | | | |
| | Ch.12.9 to 17.5m | | 1 | 12.90 | | 0.45 | 5.81 | |
| | Ch.17.5 to 25.9m | | 1 | 4.60 | | 0.45 | 2.07 | |
| | Road gap | | 1 | 8.40 | | 0.45 | 3.78 | |
| | Ch.0.00 to 26.2m | | 1 | 26.20 | | 0.45 | 11.79 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.3m | | 1 | 13.30 | | 0.45 | 5.99 | |
| | Ch.13.3 to 26.1m | | 1 | 12.80 | | 0.45 | 5.76 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | | 0.45 | 5.85 | |
| | Ch.13.0 to 28.0m | | 1 | 15.00 | | 0.45 | 6.75 | |
| | **Sri laksmi Venkateshwara opp Road (40' Road)** | | | | | | | |
| | **LHS From Main Road** | | | | | | | |
| | Ch.0.00 to 30.0m | | 1 | 30.00 | | 0.45 | 13.50 | |
| | Ch.30.0 to 34.8m | | 1 | 4.80 | | 0.45 | 2.16 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 10.6m | | 1 | 10.60 | | 0.45 | 4.77 | |
| | Ch.10.6 to 25.2m | | 1 | 14.60 | | 0.45 | 6.57 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 3.9m | | 1 | 3.90 | | 0.45 | 1.76 | |
| | Ch.3.9 to 12.2m | | 1 | 8.30 | | 0.45 | 3.74 | |
| | Ch.12.2 to 25.4m | | 1 | 13.20 | | 0.45 | 5.94 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.0m | | 1 | 13.00 | | 0.45 | 5.85 | |
| | Ch.13.0 to 26.3m | | 1 | 13.30 | | | 0.00 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.1m | | 1 | 13.10 | | 0.45 | 5.90 | |
| | Ch.13.1 to 26.4m | | 1 | 13.30 | | 0.45 | 5.99 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 13.3m | | 1 | 13.30 | | 0.45 | 5.99 | |
| | Ch.13.3 to 26.3m | | 1 | 13.00 | | 0.45 | 5.85 | |
| | Road gap | | | | | | | |
| | Ch.0.00 to 14.0m | | 1 | 14.00 | | 0.45 | 6.30 | |
| | Ch.14.0 to 28.4m | | 1 | 14.40 | | 0.45 | 6.48 | |
| | Ch.28.4 to 36.4m | | 1 | 8.00 | | 0.00 | 0.00 | |
| | Road gap | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Ch.0.00 to 26.7m | | | | | | | | |
| | | | 1 | 26.70 | | 0.45 | 12.02 | | |
| | | | | | | Present Qty | 382.77 | | |
| | | | | | | Quantity Limiting To | 382.26 | 84.80 | 32474.00 |
| | | | | | | | Total | | 11837285.00 |
| | | | | | | | 12% GST | | 1420475.00 |
| | | | | | | | 4% KRIDL | | 473492.00 |
| | | | | | | | Grand Total | | 13731252.00 |

Contractor

PMC

Assistant Engineer

6/2/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಬ.ಸಂ.ಪ. ಬೆಂಗಳೂರು-560

Asst. Executive Engineer

6/2/20